

PREPARATION OF AQUEOUS URETHANE RESIN COMPOSITION

ABSTRACT OF THE INVENTION

A method for preparing an aqueous urethane resin composition, a method for preparing an aqueous lubricant urethane resin composition, and a surface treatment method of steel plates, wherein the aqueous urethane resin composition is prepared by reacting polyester polyol, diisocyanate, dimethyl propionic acid or dimethyl butyric acid, and amine to give a prepolymer, dispersing the prepolymer in water, introducing into the water-dispersed prepolymer a chain extender, and adding the aqueous polyurethane resin solution with a curing agent. The aqueous lubricant urethane resin composition is prepared from the aqueous urethane resin composition in combination with a wax mixture of fluorine resin-modified polyethylene wax and polyethylene wax, colloidal silica and a coupling agent and coated on a chromated, electroplated steel plate which is then baked and quenched in water.

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